

Nickel film formation is implemented by heating a deposition chamber during deposition of nickel on a substrate or between processing of two or more substrates or both. Embodiments include forming a nickel silicide on a composite having an exposed silicon surface by introducing the substrate to a PVD chamber having at least one heating element for heating the chamber and depositing a layer of nickel directly on the exposed silicon surface of the composite while concurrently heating the chamber with the heating element.

Species	Genus	Family	Order	Class	Phylum	Kingdom
<i>Escherichia coli</i>	<i>Escherichia</i>	Enterobacteriaceae	Bacteroidales	Bacteria	Prokaryota	Monera
<i>Staphylococcus aureus</i>	<i>Staphylococcus</i>	Staphylococcaceae	Staphylococcales	Bacteria	Prokaryota	Monera
<i>Streptococcus pneumoniae</i>	<i>Streptococcus</i>	Streptococcaceae	Streptococcales	Bacteria	Prokaryota	Monera
<i>Salmonella enterica</i>	<i>Salmonella</i>	Enterobacteriaceae	Bacteroidales	Bacteria	Prokaryota	Monera
<i>Listeria monocytogenes</i>	<i>Listeria</i>	Listeriaceae	Listeriales	Bacteria	Prokaryota	Monera
<i>Clostridium botulinum</i>	<i>Clostridium</i>	Clostridiaceae	Clostridiales	Bacteria	Prokaryota	Monera
<i>Mycobacterium tuberculosis</i>	<i>Mycobacterium</i>	Mycobacteriaceae	Mycobacteriales	Bacteria	Prokaryota	Monera
<i>Aspergillus fumigatus</i>	<i>Aspergillus</i>	Aspergillaceae	Aspergillales	Fungi	Eukaryota	Eukarya
<i>Candida albicans</i>	<i>Candida</i>	Candidaceae	Candidales	Fungi	Eukaryota	Eukarya
<i>Penicillium chrysogenum</i>	<i>Penicillium</i>	Penicillaceae	Penicilliales	Fungi	Eukaryota	Eukarya
<i>Trichoderma reesei</i>	<i>Trichoderma</i>	Trichoderiaceae	Trichodermales	Fungi	Eukaryota	Eukarya
<i>Neurospora crassa</i>	<i>Neurospora</i>	Neurosporaaceae	Neurosporales	Fungi	Eukaryota	Eukarya
<i>Saccharomyces cerevisiae</i>	<i>Saccharomyces</i>	Saccharomycetaceae	Saccharomycetales	Fungi	Eukaryota	Eukarya
<i>Yarrowia lipolytica</i>	<i>Yarrowia</i>	Yarrowiaceae	Yarrowiales	Fungi	Eukaryota	Eukarya
<i>Mortierella elongata</i>	<i>Mortierella</i>	Mortierellaceae	Mortierellales	Fungi	Eukaryota	Eukarya
<i>Glomerula versatilis</i>	<i>Glomerula</i>	Glomerulaceae	Glomerulales	Fungi	Eukaryota	Eukarya
<i>Chaetomium globosum</i>	<i>Chaetomium</i>	Chaetomiaceae	Chaetomiales	Fungi	Eukaryota	Eukarya
<i>Trichoderma viride</i>	<i>Trichoderma</i>	Trichoderiaceae	Trichodermales	Fungi	Eukaryota	Eukarya
<i>Aspergillus niger</i>	<i>Aspergillus</i>	Aspergillaceae	Aspergillales	Fungi	Eukaryota	Eukarya
<i>Penicillium notatum</i>	<i>Penicillium</i>	Penicillaceae	Penicilliales	Fungi	Eukaryota	Eukarya
<i>Trichoderma longibrachiatum</i>	<i>Trichoderma</i>	Trichoderiaceae	Trichodermales	Fungi	Eukaryota	Eukarya
<i>Neurospora tetraspora</i>	<i>Neurospora</i>	Neurosporaaceae	Neurosporales	Fungi	Eukaryota	Eukarya
<i>Saccharomyces bayanus</i>	<i>Saccharomyces</i>	Saccharomycetaceae	Saccharomycetales	Fungi	Eukaryota	Eukarya
<i>Yarrowia hydrophila</i>	<i>Yarrowia</i>	Yarrowiaceae	Yarrowiales	Fungi	Eukaryota	Eukarya
<i>Mortierella isabellae</i>	<i>Mortierella</i>	Mortierellaceae	Mortierellales	Fungi	Eukaryota	Eukarya
<i>Glomerula constricta</i>	<i>Glomerula</i>	Glomerulaceae	Glomerulales	Fungi	Eukaryota	Eukarya
<i>Chaetomium globosum</i>	<i>Chaetomium</i>	Chaetomiaceae	Chaetomiales	Fungi	Eukaryota	Eukarya
<i>Trichoderma reesei</i>	<i>Trichoderma</i>	Trichoderiaceae	Trichodermales	Fungi	Eukaryota	Eukarya
<i>Aspergillus fumigatus</i>	<i>Aspergillus</i>	Aspergillaceae	Aspergillales	Fungi	Eukaryota	Eukarya
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